



Motor Test Report

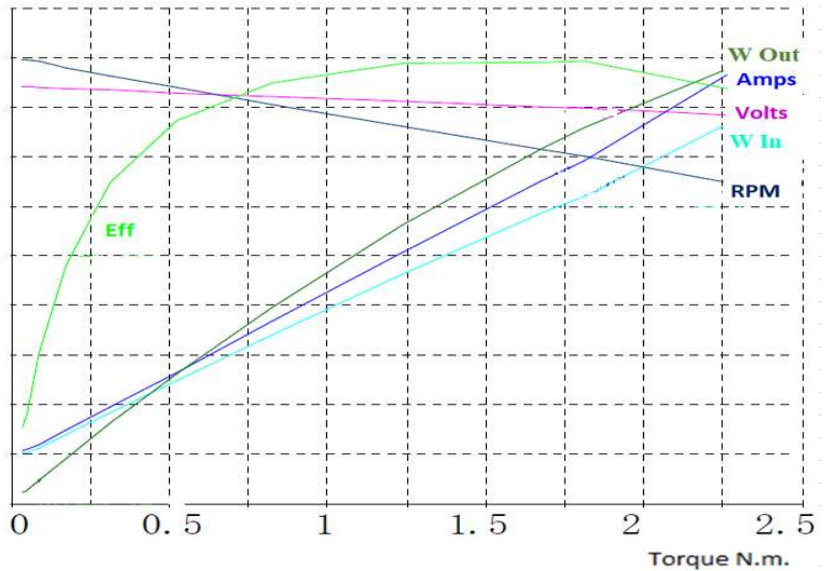
Model: MM5012FC/NV

Description: MaxMotion 0.5HP, 1750RPM, 12VDC, TEFC/NV, 56C

Tester: 01

Test Date: 2019.03.07

V	A	W In	RPM	W out	Eff.%
15	60	600	2500	350	80
13.5	54	540	2250	315	72
12	48	480	2000	280	64
10.5	42	420	1750	245	56
9	36	360	1500	210	48
7.5	30	300	1250	175	40
6	24	240	1000	140	32
4.5	18	180	750	105	24
3	12	120	500	70	16
1.5	6	60	250	35	8
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	12.83	7.819	100.30	0.01	2037	2.986	3.0%
Rated	12.07	43.82	529.0	2.09	1714	375	70.9%
Efficiency Max.	11.94	49.79	594.4	2.43	1665	424.3	71.4%
Max. Kw Output	11.94	49.79	594.4	2.43	1665	424.3	71.4%
Max. Torq. Output	11.94	49.79	594.4	2.43	1665	424.3	71.4%
End	11.94	49.79	594.4	2.43	1665	424.3	71.4%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	Eff %
0.8%	1	12.83	7.819	100.3	0.01	2037	2.99	3.0%
0.6%	2	12.83	7.941	101.8	0.01	2037	2.13	2.1%
1.1%	3	12.82	8.136	104.3	0.02	2038	4.27	4.1%
2.3%	4	12.81	8.779	112.4	0.04	2032	8.51	7.6%
7.3%	5	12.78	10.12	129.3	0.13	2018	27.47	21.2%
14.4%	6	12.73	12.33	157.0	0.26	1996	53.92	34.4%
24.6%	7	12.65	15.61	197.5	0.45	1965	92.17	46.7%
38.0%	8	12.56	20	251.2	0.71	1924	142.6	56.8%
52.5%	9	12.45	25.370	315.9	1	1878	197.0	62.4%
68.5%	10	12.33	31.3	386.0	1.34	1825	256.8	66.5%
83.9%	11	12.2	37.24	454.5	1.7	1771	314.5	69.2%
98.8%	12	12.08	43.28	523.0	2.06	1718	370.5	70.8%
100.0%	13	12.07	43.82	529.0	2.09	1714	375.0	70.9%
113.1%	14	11.94	49.79	594.4	2.43	1665	424.3	71.4%